



INSPECTION/PREVENTIVE MAINTENANCE PLAN CHECKLIST TITLE V SOURCES

IMMEDIATELY AFTER MAINTENANCE AFFECTING EMISSIONS:

- ✓ Portable Analyzer Emissions Check (See Portable Analyzer Testing Form)

DAILY:

- ✓ Exhaust gas temperature into the catalyst (if applicable)
- ✓ Check panel board pressure and temperature readings (record weekly)
- ✓ Check engine and compressor oil temperatures
- ✓ Inspect the AFR controller (if applicable) for alarms and change the oxygen sensor if needed
- ✓ Check engine and compressor fluid levels

MONTHLY:

- ✓ Pressure differential across the catalyst (if applicable) is measured and recorded
- ✓ Visual inspection of tubing to detect clogging on differential pressure gauges
- ✓ Portable Analyzer Emissions Check (See Portable Analyzer Testing Form)

EVERY 3000 OPERATING HOURS¹, PREVENTIVE MAINTENANCE CONSISTING OF:

- ✓ Replace air pre-filters and filters as needed
- ✓ Check ignition timing
- ✓ Replace engine oil filters
- ✓ Check valve recessions and repair as needed
- ✓ Inspect and gap spark plugs and replace as needed
- ✓ Check and set fuel and boost pressures
- ✓ Check and adjust crankcase pressures
- ✓ Test panel board shutdowns

SEMIANNUALLY:

- ✓ Compliance Stack Test
- ✓ Check catalyst housing for visible cracks or openings

ANNUALLY:

- ✓ Over-temperature system is tested to ensure proper operation by creating an alarm on the control panel
- ✓ Accuracy check of thermocouples
- ✓ Accuracy check of differential pressure gauge, if used

Notes:

1. Each engine is scheduled for preventative maintenance every 3000 hours of operation; however, this time frame fluctuates with inclement weather, scheduling logistics, and location constraints.